

**Search Strategies for an ongoing
Systematic Review:
Paul Schmitz, Lea Baier, Helge Knüttel, Florian Baumann:
Avascular Necrosis of the Femoral Head following an
Acetabular Fracture**

Date: 2018-09-26

EMBASE

Ovid syntax

```
acetabulum fracture/  
acetabulum/ AND (fracture/ OR crush trauma/ OR exp fracture  
fixation/ OR exp fracture healing/)  
((acetabul* OR cotyloid cavit*) ADJ6 (fracture* OR crush* OR  
osteosynth* OR reconstruct*)).ti,ab,kw.  
or/1-3  
femur head necrosis/  
bone necrosis/ OR aseptic necrosis/ OR avascular necrosis/ OR  
osteolysis/ OR massive osteolysis/  
(necro* OR osteonecro* OR osteoly*).ti,ab,kw.  
or/5-7  
(prevalence or incidence or epidemiol* or survey or cohort or  
surveillance or outcome or prognosis or "long-term" or "follow-  
up").ti,ab,kw. or exp epidemiology/ or exp treatment outcome/ or  
outcome assessment/ or sentinel surveillance/ or cohort analysis/ or  
longitudinal study/ or follow up/ or prospective study/ or  
prognosis/  
4 and 8  
4 and 9  
acetabulum fracture/ AND Complication.fx.  
or/10-12
```

MEDLINE

Ovid syntax

```
(acetabulum/) AND (Fractures, Bone/ OR exp Fracture Fixation/ OR
Fracture Healing/ OR Crush Injuries/)
((acetabul* OR cotyloid cavit*) ADJ6 (fracture* OR crush* OR
osteosynth* OR reconstruct*)).ti,ab,kw.
or/1-2
Femur Head Necrosis/
Osteonecrosis/ OR necrosis/ OR osteolysis/ OR "Osteolysis,
Essential"/
(necro* OR osteonecro* OR osteoly*).ti,ab,kw.
or/4-6
(prevalence or incidence or epidemiol* or survey or cohort or
surveillance or outcome? or prognosis or "long-term" or "follow-
up").mp. or exp epidemiologic methods/ or exp epidemiologic studies/
or exp sentinel surveillance/ or exp cohort studies/ or exp cross-
sectional studies/ or exp longitudinal studies/ or exp follow-up
studies/ or exp prospective studies/ or Treatment Outcome/ or
prognosis/
epidemiology.fs. OR "statistics numerical data".fs.
or/8-9
3 and 7
3 and 10
or/11-12
```

Cochrane Library

<http://www.cochranelibrary.com/> / Wiley Online

We will search Cochrane Library with text words only as searching with MESH terms will be yield only duplicates to MEDLINE records.

```
((acetabul* OR "cotyloid cavit*") NEAR/6 (fracture* OR crush* OR  
osteosynth* OR reconstruct*)) :ti,ab,kw  
(necro* OR osteonecro* OR osteoly*) :ti,ab,kw  
(prevalence or incidence or epidemiol* or survey or cohort or  
surveillance or outcome* or prognosis or "long-term" or "follow-  
up") :ti,ab,kw  
#1 and #2  
#1 and #3  
#4 OR #5
```

Science Citation Index Expanded

Web of Science

We will search for articles citing Letournel's works on the acetabulum fracture classification as well as for relevant text words.

Set	Web of Science Core Collection Search History
#13	#12 OR #11 OR #7
#12	#8 AND #10
#11	#8 AND #9
#10	TS=(prevalence or incidence or epidemiol* or survey or cohort or surveillance or outcome\$ or prognosis)
#9	TS=(necro* OR osteonecro* OR osteoly*)
#8	TS=((acetabul* OR "cotyloid cavit*") NEAR/5 (fracture* OR crush* OR osteosynth* OR reconstruct*))
#7	#6 OR #5 OR #4 OR #3 OR #2 OR #1
#6	CITED AUTHOR: (Letournel E) AND CITED WORK: (J CHIR*) AND CITED YEAR: (1961)
#5	CITED AUTHOR: (Judet R) AND CITED WORK: (J BONE JOINT SURG AM) AND CITED YEAR: (1964)
#4	CITED AUTHOR: (Judet R) AND CITED WORK: (Arch* Ortop*)
#3	CITED AUTHOR: (Letournel E) AND CITED WORK: (CLIN ORTHOP RELAT R) AND CITED YEAR: (1980)
#2	CITED AUTHOR: (Letournel E) AND CITED WORK: (CLIN ORTHOP RELAT R) AND CITED YEAR: (1994) AND CITED PAGES: (5)
#1	CITED AUTHOR: (Letournel E) AND CITED WORK: (J ORTHOP TRAUMA)

Google Scholar

We will search and retrieve records from Google Scholar using Anne-Wil Harzing's Publish or Perish program (available from <https://www.harzing.com/pop.htm>) .

A single-line search statement:

```
acetabulum|acetabular|"cotyloid cavity"  
fracture|osteosynthesis|reconstruction|"crush injury"  
necrosis|osteonecrosis|osteolysis|prevalence|incidence|epidemiology|  
survey|cohort|surveillance|outcome|prognosis|"long-term"|"follow-up"
```

WHO's International Clinical Trials Registry Platform / Search Portal

<http://apps.who.int/trialsearch/>

```
acetabul* AND fractur* OR cotyloid AND fractur* OR acetabul* AND  
osteosynth* OR cotyloid AND osteosynth* OR acetabul* AND  
reconstruction* OR cotyloid AND reconstruction* OR acetabul* AND  
crush injury OR cotyloid AND crush injury
```

ClinicalTrials.gov

<https://clinicaltrials.gov/ct2/home>

```
(acetabulum OR acetabular OR "cotyloid cavity") AND (fracture OR  
osteosynthesis OR reconstruction OR "crush injury")
```

EU Clinical Trials Register

<https://www.clinicaltrialsregister.eu/ctr-search/search>

```
(acetabulum OR acetabular OR "cotyloid cavity")
```

German Clinical Trials Register

http://www.drks.de/drks_web/navigate.do?navigationId=search&reset=true

```
acetabul* OR cotyloid
```